

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057257.D
 Acq On : 1 May 2023 19:50
 Operator : CG/JU
 Sample : 02417-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y1

Quant Time: May 01 22:30:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.381	152	17670	20.000	ng/ul	0.00
20) Naphthalene-d8	11.218	136	72800	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.989	164	52735	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.733	188	116072	20.000	ng/ul	0.00
79) Chrysene-d12	22.051	240	99006	20.000	ng/ul	# 0.00
88) Perylene-d12	25.569	264	106402	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.658	96	677	1.686	ng/uL	0.00
4) Pyridine-d5	4.110	84	80	0.063	ng/ul	0.01
7) Phenol-d5	7.517	99	18139	10.855	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.682	67	11299	11.496	ng/ul	0.00
11) 2-Chlorophenol-d4	7.905	132	14045	12.754	ng/ul	0.00
15) 4-Methylphenol-d8	9.080	113	10984	8.648	ng/ul	0.00
21) Nitrobenzene-d5	9.556	128	7547	13.018	ng/ul	0.00
24) 2-Nitrophenol-d4	10.290	143	8907	13.164	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.830	165	16875	12.928	ng/ul	0.00
31) 4-Chloroaniline-d4	11.347	131	3949	2.283	ng/ul	0.00
46) Dimethylphthalate-d6	14.379	166	57589	13.782	ng/ul	0.00
49) Acenaphthylene-d8	14.690	160	66909	14.247	ng/ul	0.00
54) 4-Nitrophenol-d4	15.183	143	3979	6.542	ng/ul	0.00
60) Fluorene-d10	15.976	176	52818	13.569	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.088	200	4648	6.759	ng/ul	0.00
73) Anthracene-d10	17.833	188	76872	14.509	ng/ul	0.00
81) Pyrene-d10	20.094	212	90117	15.335	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.328	264	81618	15.056	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.570	94	13332	7.916	ng/ul	91
16) Acetophenone	9.209	105	6033	2.761	ng/ul	92
30) Naphthalene	11.271	128	7465	1.868	ng/ul#	94
36) 2-Methylnaphthalene	12.845	142	5266	1.796	ng/ul	90
37) 1-Methylnaphthalene	13.063	142	5223	1.772	ng/ul#	92
52) Acenaphthene	15.054	153	9586	2.819	ng/ul	94
56) Dibenzofuran	15.383	168	10056	2.048	ng/ul	96
61) Fluorene	16.029	166	16530	3.981	ng/ul	99
72) Phenanthrene	17.774	178	312163	51.644	ng/ul	98
74) Anthracene	17.862	178	62023	10.215	ng/ul	99
77) Carbazole	18.126	167	21786	4.294	ng/ul	98
80) Fluoranthene	19.765	202	610671	87.478	ng/ul	97
82) Pyrene	20.130	202	566139	80.111	ng/ul	97
85) Benzo(a)anthracene	22.027	228	320091	45.713	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.868	149	10383	3.154	ng/ul#	97
87) Chrysene	22.097	228	299065	45.269	ng/ul	96
90) Benzo(b)fluoranthene	24.453	252	384335	52.161	ng/ul	96
91) Benzo(k)fluoranthene	24.453	252	384335	53.615	ng/ul	99
93) Benzo(a)pyrene	25.246	252	173623	27.294	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.634	276	158985	19.994	ng/ul	98
95) Dibenzo(a,h)anthracene	29.664	278	19540	2.964	ng/ul#	87
96) Benzo(g,h,i)perylene	30.927	276	127714	19.845	ng/ul	97

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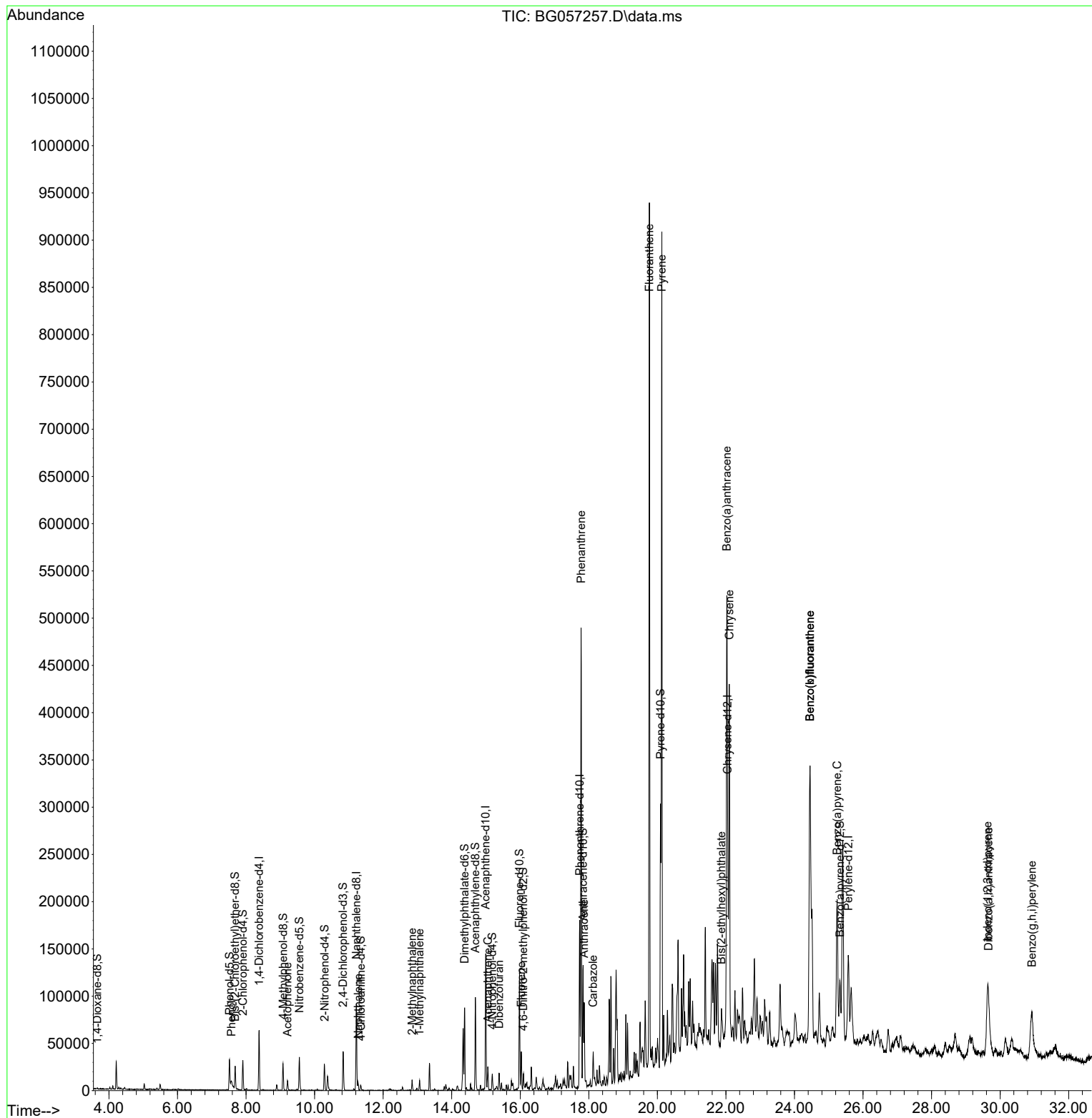
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

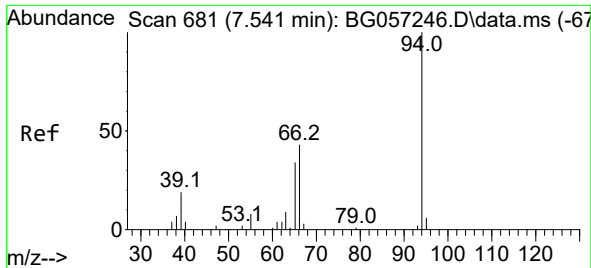
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#8

Phenol

Concen: 7.916 ng/ul

RT: 7.570 min Scan# 681

Delta R.T. 0.029 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

Instrument :

BNA_G

ClientSampleId :

EW8Y1

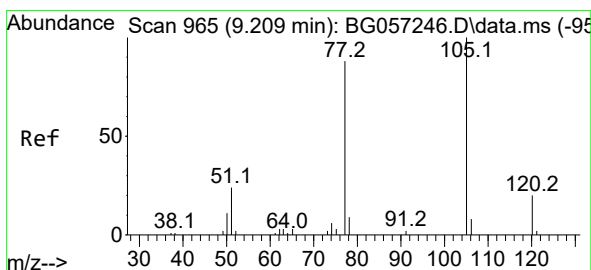
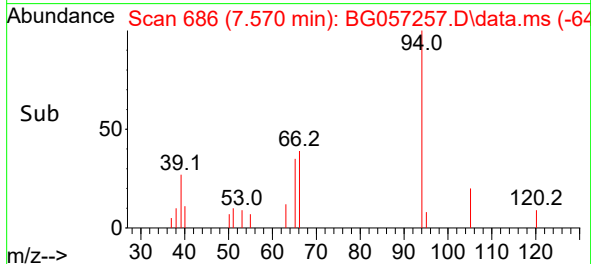
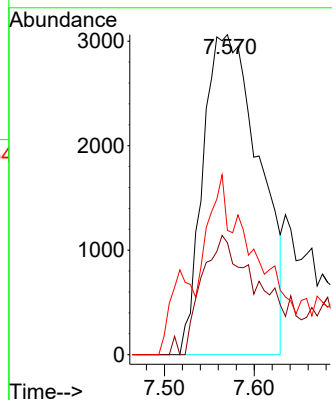
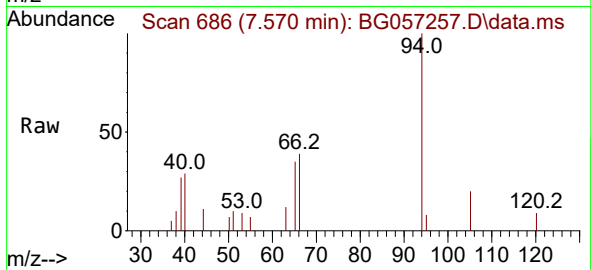
Tgt Ion: 94 Resp: 13332

Ion Ratio Lower Upper

94 100

65 35.0 25.5 38.3

66 38.8 36.9 55.3



#16

Acetophenone

Concen: 2.761 ng/ul

RT: 9.209 min Scan# 965

Delta R.T. -0.000 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

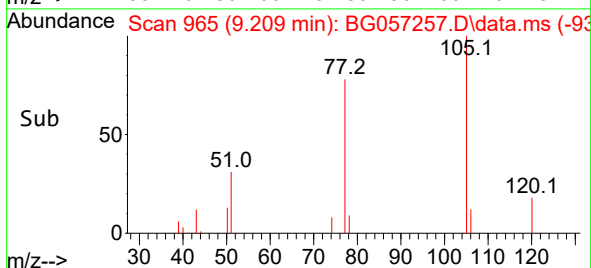
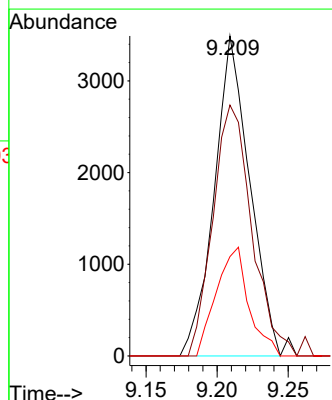
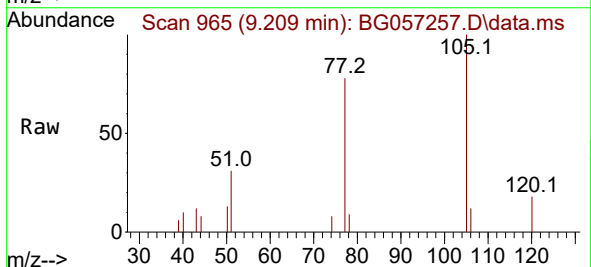
Tgt Ion: 105 Resp: 6033

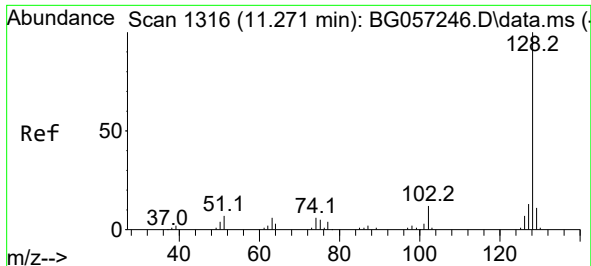
Ion Ratio Lower Upper

105 100

77 78.4 70.6 105.8

51 31.0 24.5 36.7

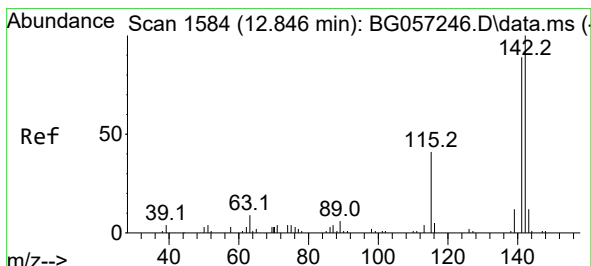
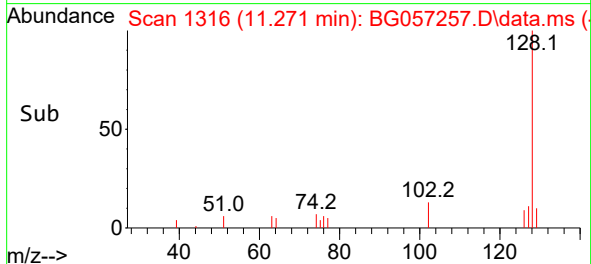
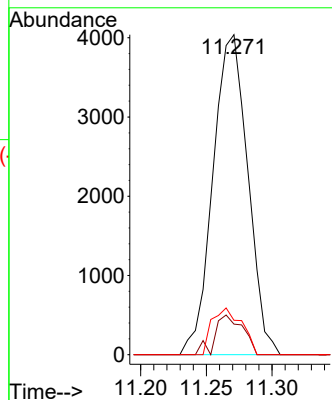
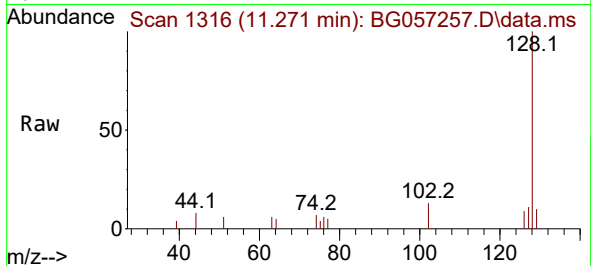




#30
Naphthalene
Concen: 1.868 ng/ul
RT: 11.271 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

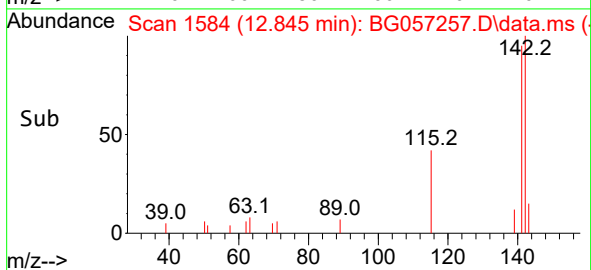
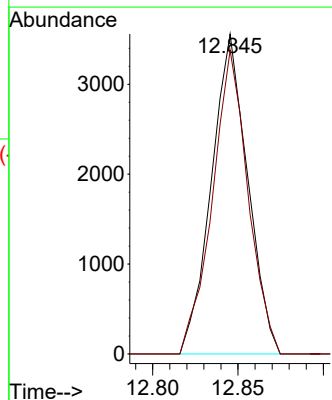
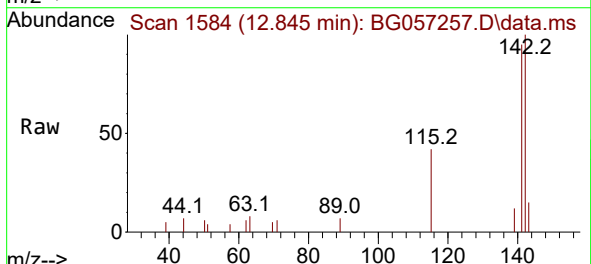
Instrument :
BNA_G
ClientSampleId :
EW8Y1

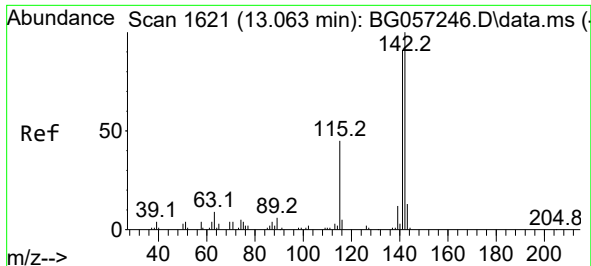
Tgt Ion:128 Resp: 7465
Ion Ratio Lower Upper
128 100
129 9.5 8.5 12.7
127 10.7 11.4 17.0#



#36
2-Methylnaphthalene
Concen: 1.796 ng/ul
RT: 12.845 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

Tgt Ion:142 Resp: 5266
Ion Ratio Lower Upper
142 100
141 94.9 68.7 103.1





#37

1-Methylnaphthalene

Concen: 1.772 ng/ul

RT: 13.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

Instrument :

BNA_G

ClientSampleId :

EW8Y1

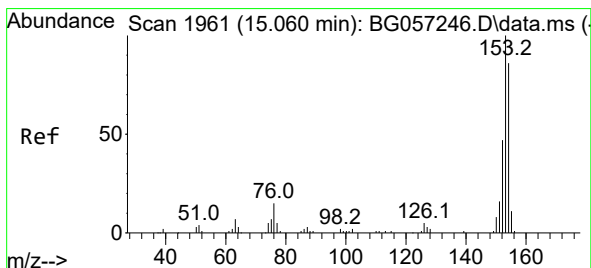
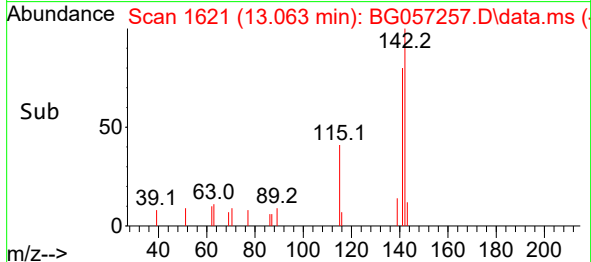
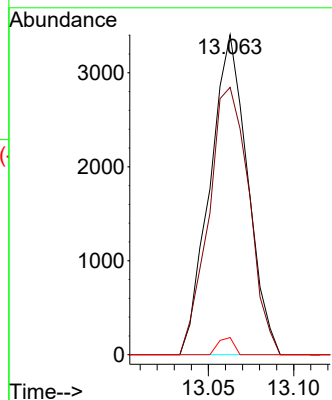
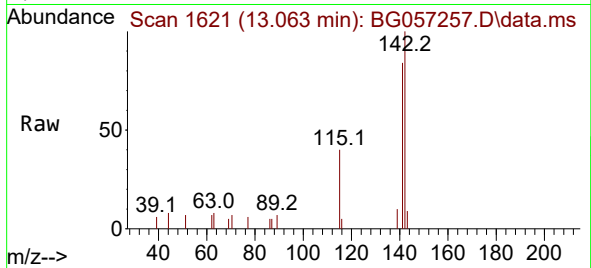
Tgt Ion:142 Resp: 5223

Ion Ratio Lower Upper

142 100

141 83.5 72.9 109.3

116 5.4 3.2 4.8#



#52

Acenaphthene

Concen: 2.819 ng/ul

RT: 15.054 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

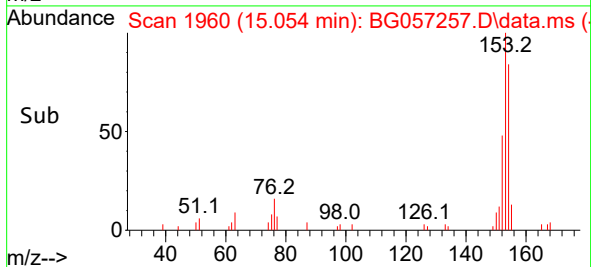
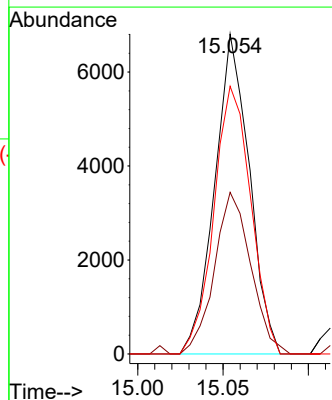
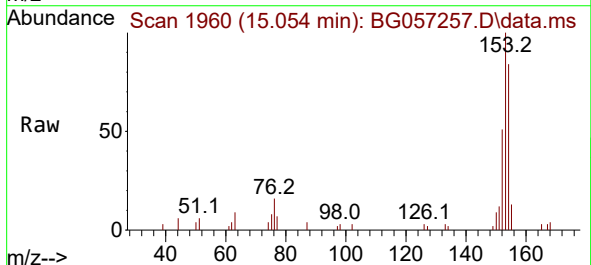
Tgt Ion:153 Resp: 9586

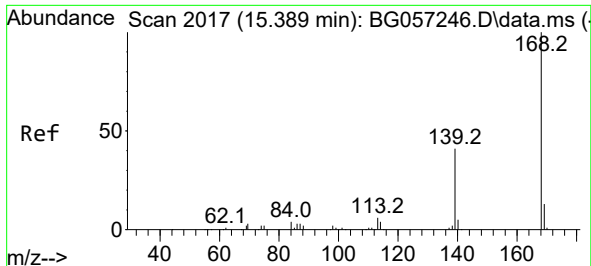
Ion Ratio Lower Upper

153 100

152 50.5 36.5 54.7

154 83.7 70.6 106.0

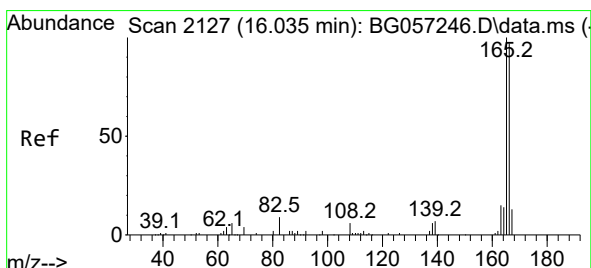
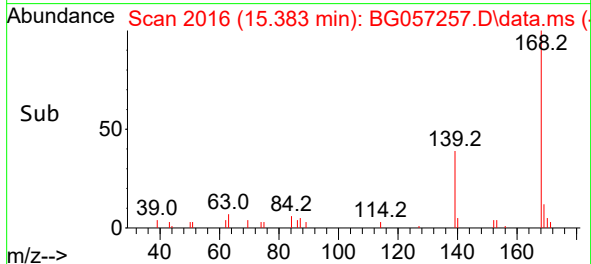
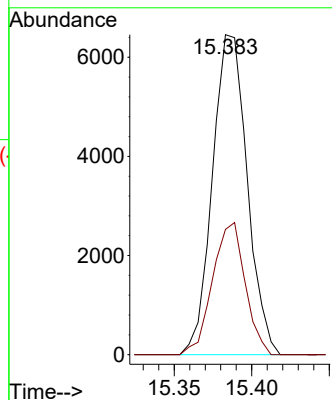
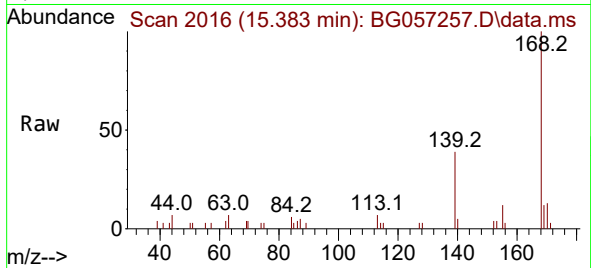




#56
Dibenzenofuran
Concen: 2.048 ng/ul
RT: 15.383 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

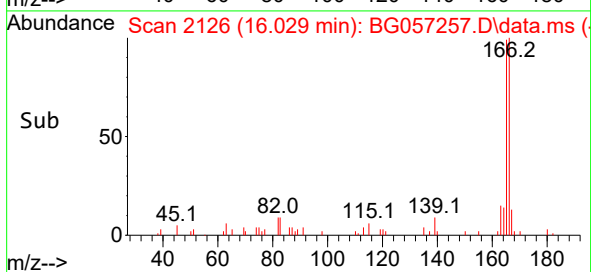
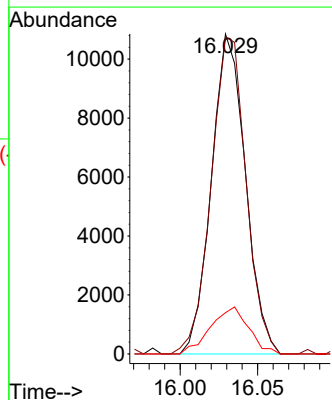
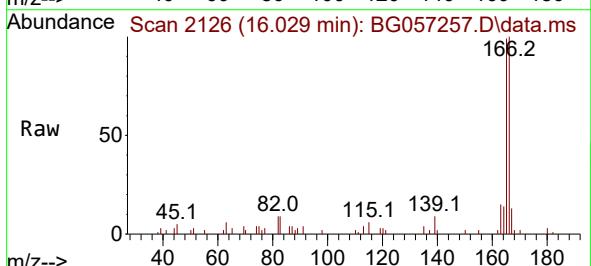
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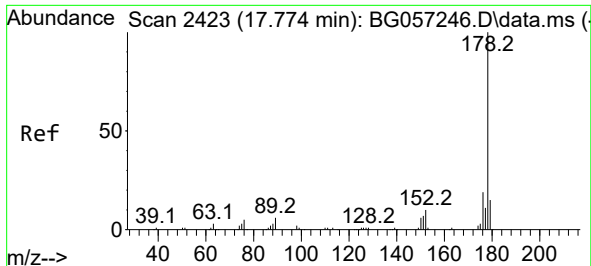
Tgt Ion:168 Resp: 10056
Ion Ratio Lower Upper
168 100
139 39.1 29.6 44.4



#61
Fluorene
Concen: 3.981 ng/ul
RT: 16.029 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

Tgt Ion:166 Resp: 16530
Ion Ratio Lower Upper
166 100
165 99.1 80.1 120.1
167 12.9 10.2 15.4

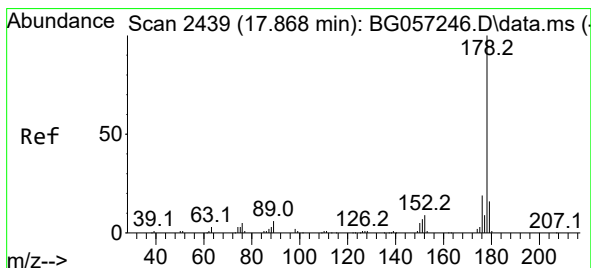
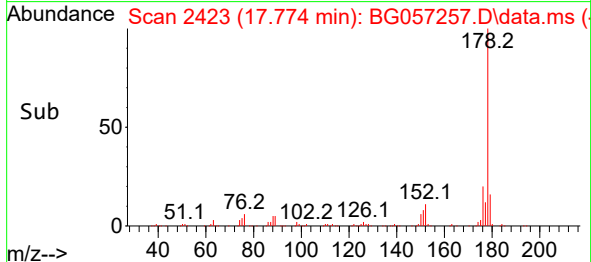
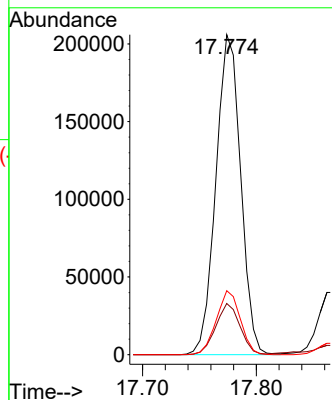
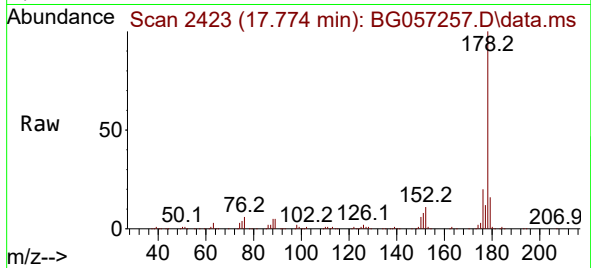




#72
Phenanthrene
Concen: 51.644 ng/ul
RT: 17.774 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

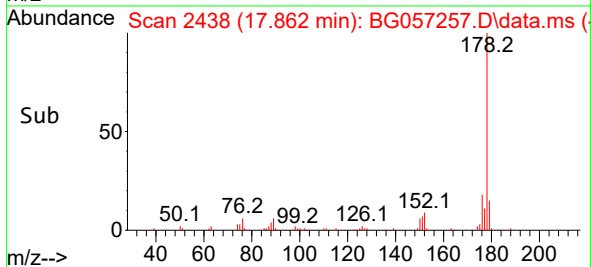
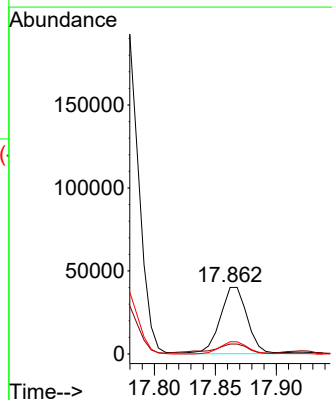
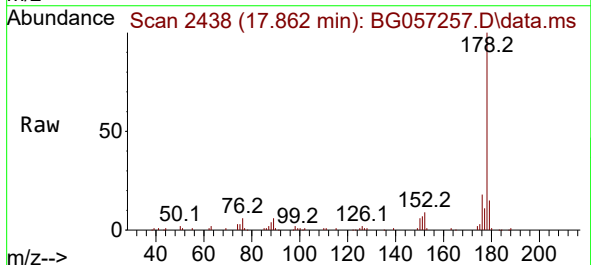
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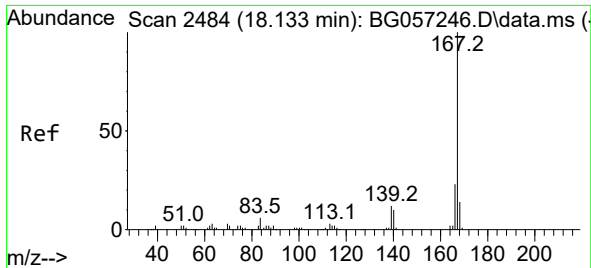
Tgt Ion:178 Resp: 312163
Ion Ratio Lower Upper
178 100
179 16.0 11.8 17.8
176 20.0 15.4 23.0



#74
Anthracene
Concen: 10.215 ng/ul
RT: 17.862 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

Tgt Ion:178 Resp: 62023
Ion Ratio Lower Upper
178 100
179 15.0 12.5 18.7
176 18.3 14.7 22.1

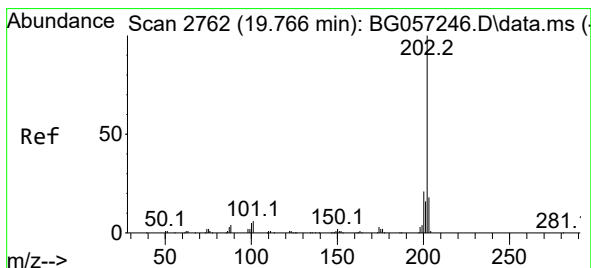
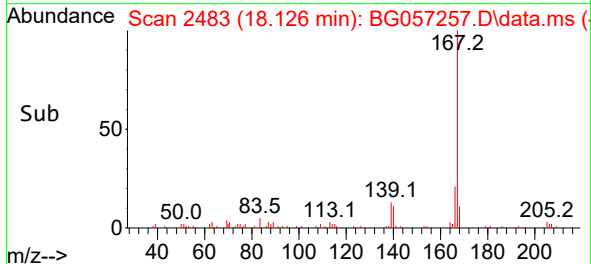
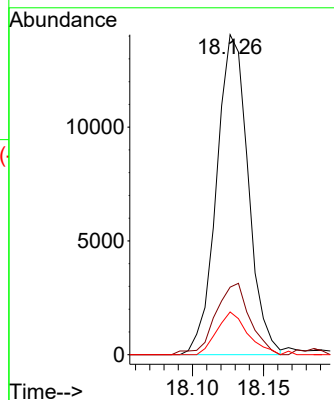
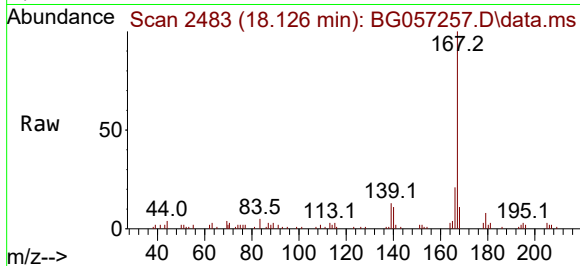




#77
 Carbazole
 Concen: 4.294 ng/ul
 RT: 18.126 min Scan# 2483
 Delta R.T. -0.006 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

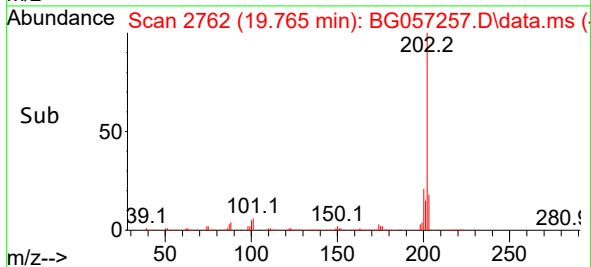
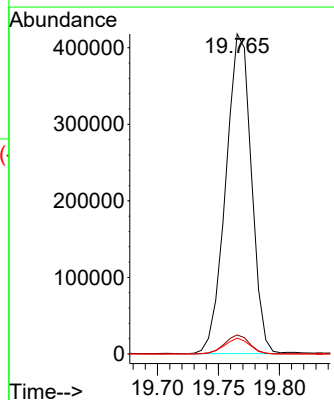
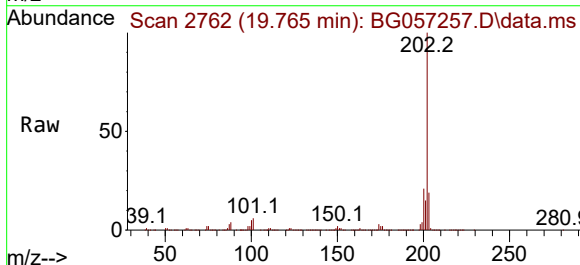
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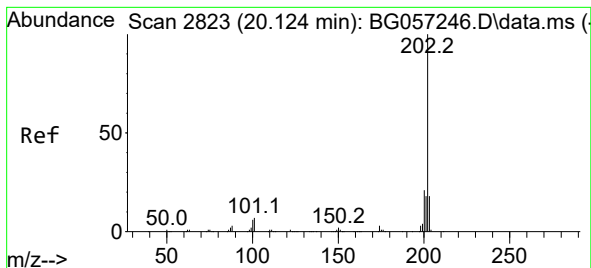
Tgt Ion:167 Resp: 21786
 Ion Ratio Lower Upper
 167 100
 166 21.1 18.0 27.0
 139 13.3 10.3 15.5



#80
 Fluoranthene
 Concen: 87.478 ng/ul
 RT: 19.765 min Scan# 2762
 Delta R.T. -0.000 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

Tgt Ion:202 Resp: 610671
 Ion Ratio Lower Upper
 202 100
 101 6.0 5.8 8.6
 100 5.0 4.6 7.0





#82

Pyrene

Concen: 80.111 ng/ul

RT: 20.130 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

Instrument :

BNA_G

ClientSampleId :

EW8Y1

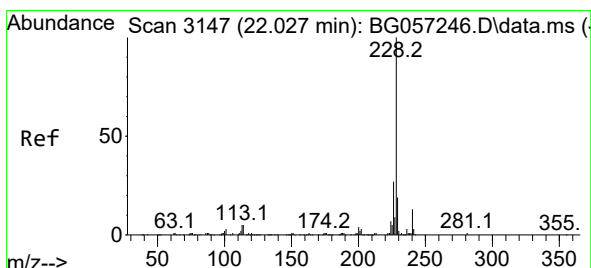
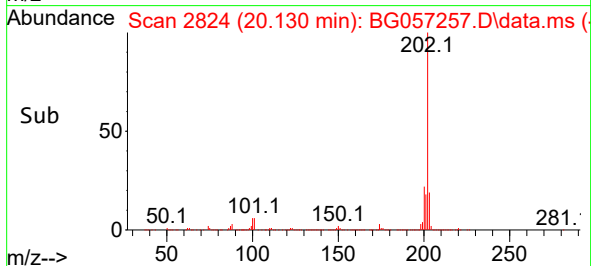
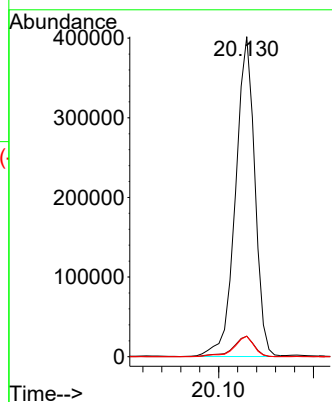
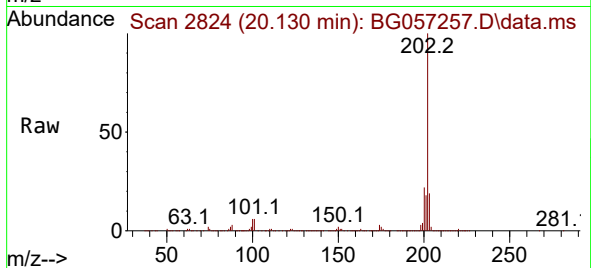
Tgt Ion:202 Resp: 566139

Ion Ratio Lower Upper

202 100

101 6.4 5.7 8.5

100 6.4 6.0 9.0



#85

Benzo(a)anthracene

Concen: 45.713 ng/ul

RT: 22.027 min Scan# 3147

Delta R.T. -0.000 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

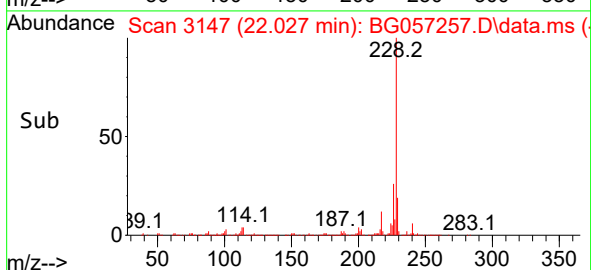
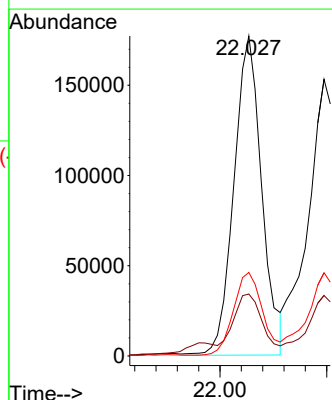
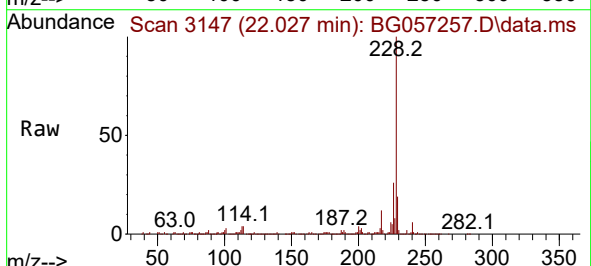
Tgt Ion:228 Resp: 320091

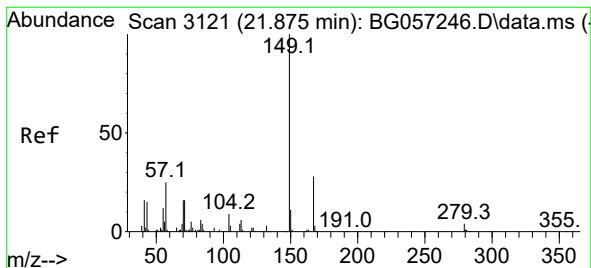
Ion Ratio Lower Upper

228 100

229 19.4 15.8 23.6

226 26.1 21.7 32.5

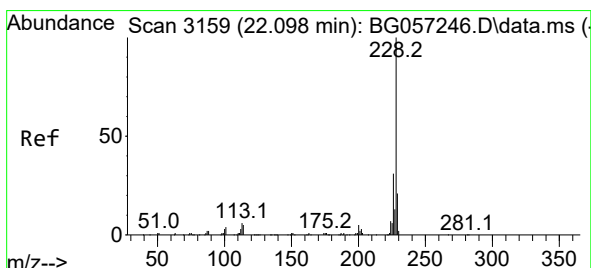
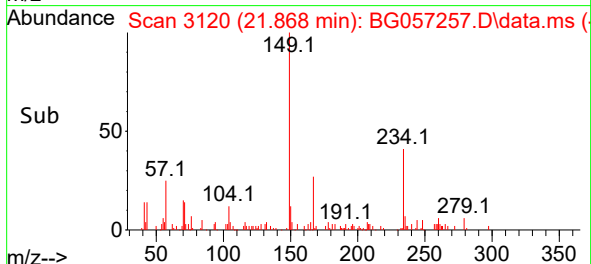
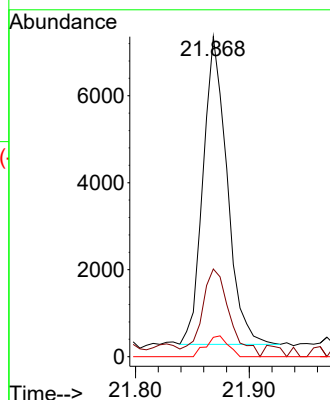
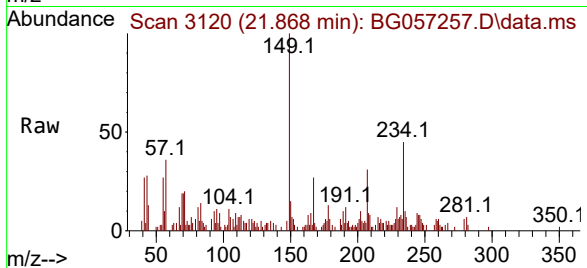




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 3.154 ng/ul
 RT: 21.868 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

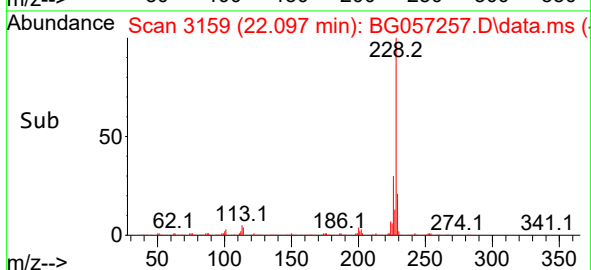
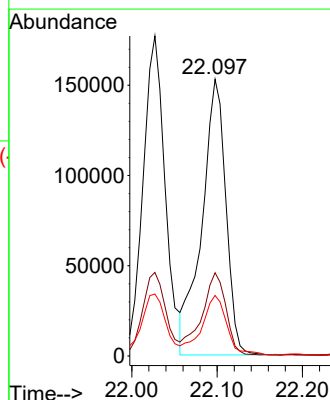
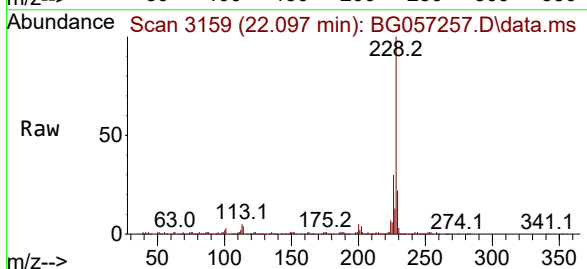
Instrument :
 BNA_G
 ClientSampleId :
 EW8Y1

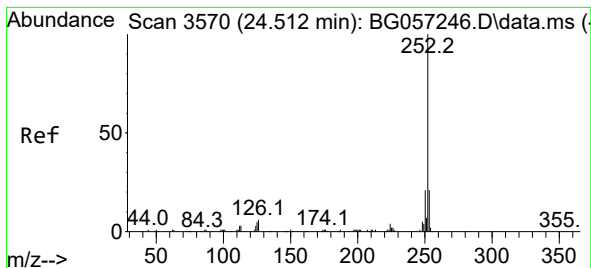
Tgt Ion:149 Resp: 10383
 Ion Ratio Lower Upper
 149 100
 167 27.4 23.0 34.6
 279 6.1 3.6 5.4#



#87
 Chrysene
 Concen: 45.269 ng/ul
 RT: 22.097 min Scan# 3159
 Delta R.T. -0.000 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

Tgt Ion:228 Resp: 299065
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.8 34.2
 229 21.9 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 52.161 ng/ul

RT: 24.453 min Scan# 3560

Delta R.T. 0.017 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

Instrument :

BNA_G

ClientSampleId :

EW8Y1

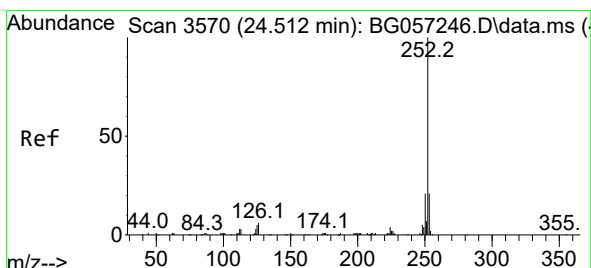
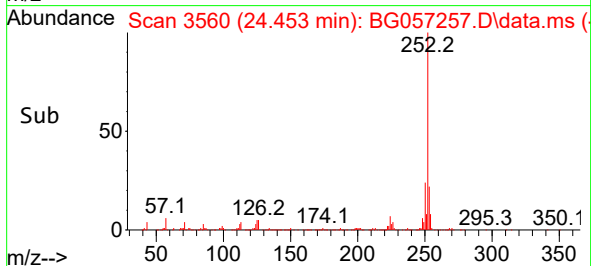
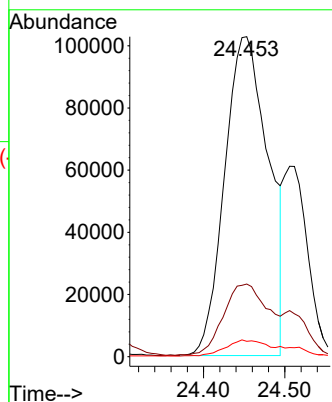
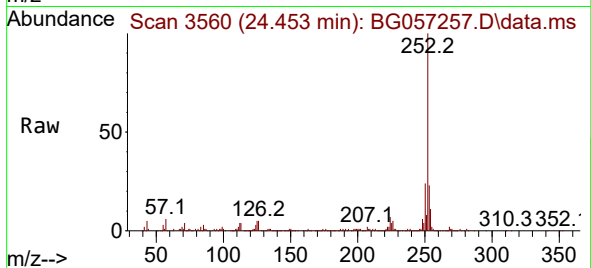
Tgt Ion:252 Resp: 384335

Ion Ratio Lower Upper

252 100

253 22.7 16.7 25.1

125 4.8 4.8 7.2



#91

Benzo(k)fluoranthene

Concen: 53.615 ng/ul

RT: 24.453 min Scan# 3560

Delta R.T. -0.059 min

Lab File: BG057257.D

Acq: 1 May 2023 19:50

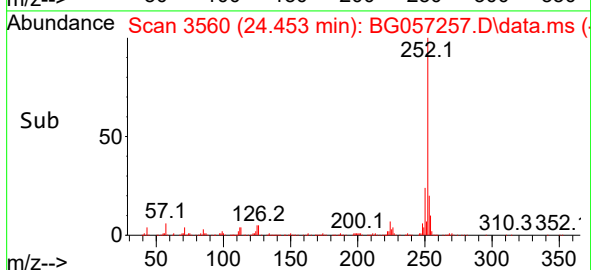
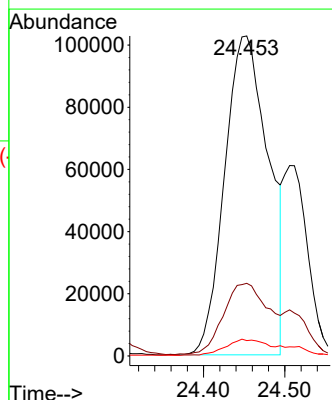
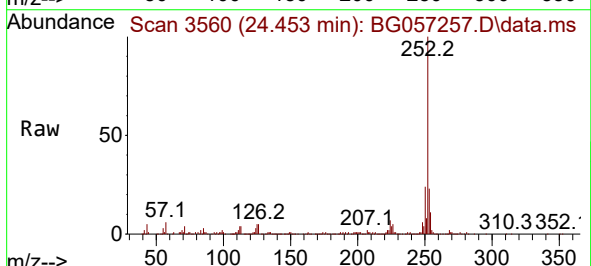
Tgt Ion:252 Resp: 384335

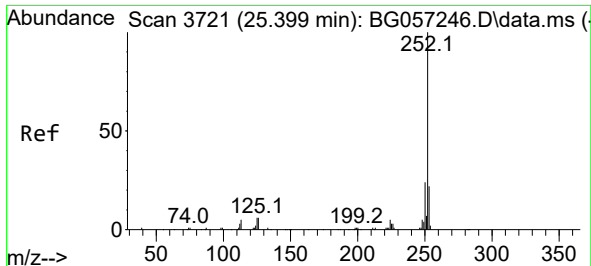
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 4.8 4.5 6.7

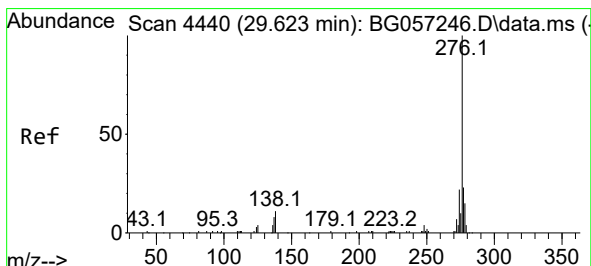
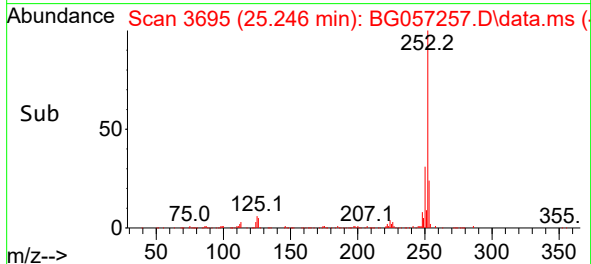
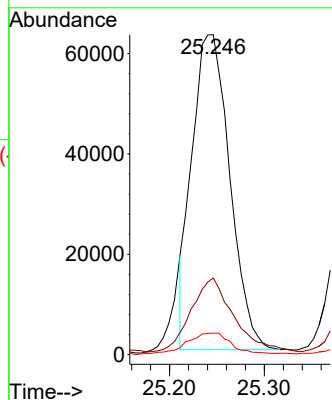
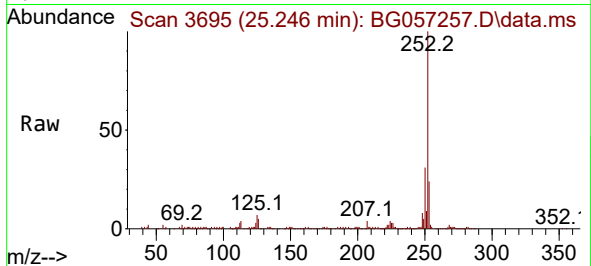




#93
Benzo(a)pyrene
Concen: 27.294 ng/ul
RT: 25.246 min Scan# 3695
Delta R.T. -0.153 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

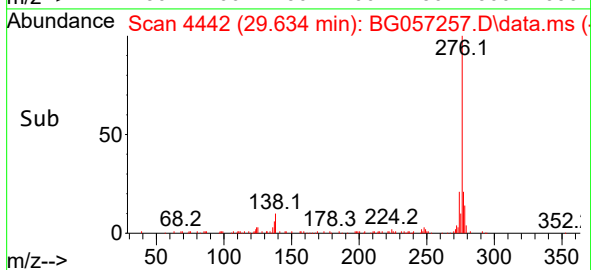
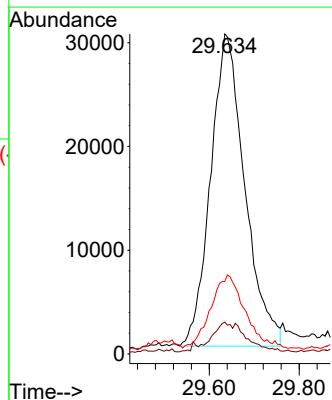
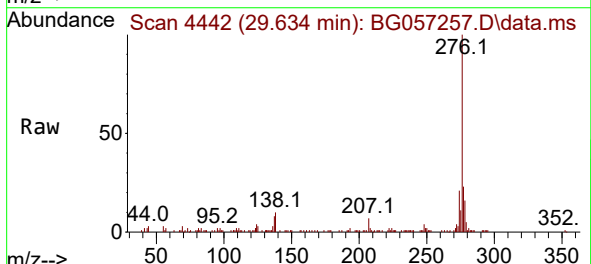
Instrument :
BNA_G
ClientSampleId :
EW8Y1

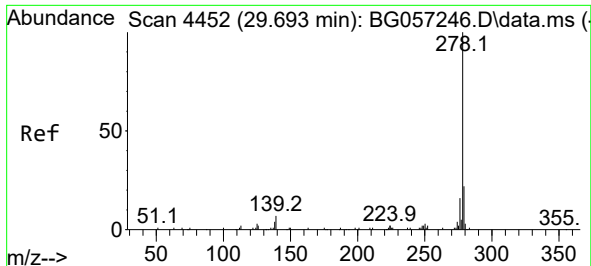
Tgt Ion:252 Resp: 173623
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 6.7 5.1 7.7



#94
Indeno(1,2,3-cd)pyrene
Concen: 19.994 ng/ul
RT: 29.634 min Scan# 4442
Delta R.T. 0.011 min
Lab File: BG057257.D
Acq: 1 May 2023 19:50

Tgt Ion:276 Resp: 158985
Ion Ratio Lower Upper
276 100
138 9.9 9.4 14.2
277 22.7 18.6 28.0

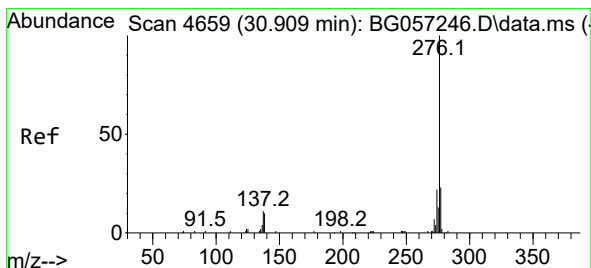
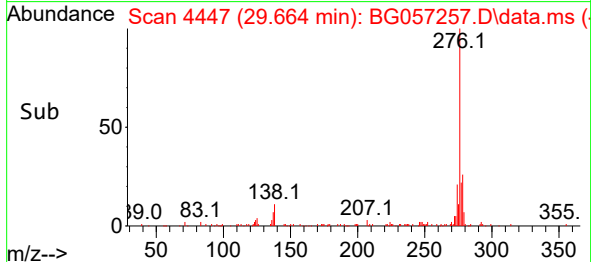
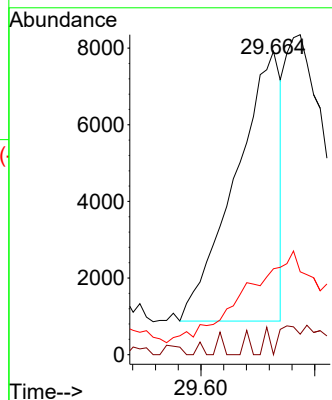
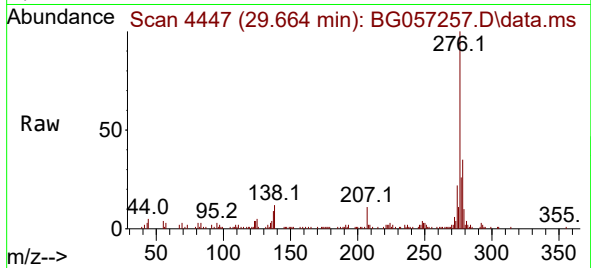




#95
 Dibenzo(a,h)anthracene
 Concen: 2.964 ng/ul
 RT: 29.664 min Scan# 4452
 Delta R.T. -0.030 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y1

Tgt Ion:278 Resp: 19540
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.8 8.6#
 279 28.3 18.3 27.5#



#96
 Benzo(g,h,i)perylene
 Concen: 19.845 ng/ul
 RT: 30.927 min Scan# 4662
 Delta R.T. 0.017 min
 Lab File: BG057257.D
 Acq: 1 May 2023 19:50

Tgt Ion:276 Resp: 127714
 Ion Ratio Lower Upper
 276 100
 138 10.6 8.7 13.1
 277 25.3 18.4 27.6

